

AEC's Tennessee Investment Reaches \$1.8 Billion, Highest In All 50 States

The Atomic Energy Commission's plant and equipment investment in Tennessee totals more than \$1.8 billion, the highest for any of the fifty states, according to the recently issued AEC 1968 Annual Financial Report.

This year's reported investment is an increase of more than one million dollars over the 1967 which also led all other states. The investment is represented totally in the Oak Ridge area, where broad programs of production, research, development, and training are carried out for the AEC.

In fiscal year 1968 AEC total costs incurred for operations and plant and capital equipment in Tennessee totaled \$249,932,000 — third highest among the fifty states. The total AEC national operating budget for fiscal year 1968 amounted to \$2,505,529, while plant and equipment construction costs were \$321,351,000.

The major construction work in the past fiscal year has been associated with the \$180 million expansion program at the AEC's Y-12 Plant. Nearly 2,000 construction workers are currently employed in AEC work in the Oak Ridge area. Total employment in

atomic energy programs at Oak Ridge is almost 16,000.

According to figures released, the Oak Ridge National Laboratory ranks second among the ten AEC research laboratories in terms of completed plant and equipment. The total investment at ORNL is \$335,121,000. ORNL's operating budget in the past fiscal year stood at \$90,350,000, down slightly less than \$2 million from the previous fiscal year.

The University of Tennessee received \$1,586,000 in fiscal 1968 as one of 229 colleges and universities doing atomic energy work for the Commission under contract. Outlays by the AEC for university-related work totaled nearly \$164 million.

Company Stores Hours Are Given

North Portal's Company Store is open Monday, Wednesday and Friday from 4:30 until 5:30 p.m. On Tuesday and Thursday it is open from 3 until 4 p.m.

The 'company store' features many Union Carbide products at discount rates, and is open to employees only.

Thursday And Friday Holidays For Y-12

Thursday and Friday, November 28 and 29, are holidays for most Y-12ers. The fourth Thursday of the month of November is designated as a day set 'aside for the nation' to turn to its various faiths in Thanksgiving.

No employee will be required to be at work Thursday and Friday except those whose presence is required for security or continuous operations of the plant.

'21st Century' Returns In January

Just in case you're wondering what has happened to "The 21st Century," remember the "Heidi" fiasco? That's right, the Union Carbide sponsored 6 p.m. Sunday night show has been preempted by football, professional football, that is.

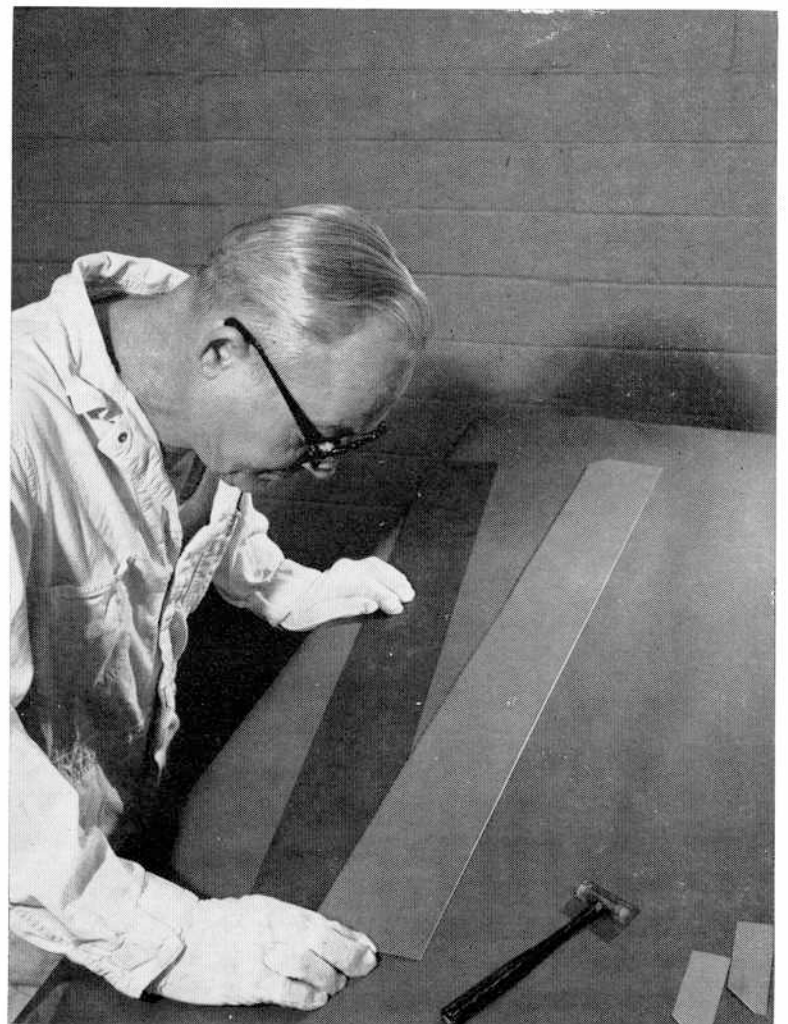
Tentative plans are for the return of "The 21st Century" about January 26.

New Type Pump Has Been Developed

A new type of pump that successfully resists the severely corrosive attack of molten aluminum was announced recently at the annual meeting of the Die Casting Research Foundation, research arm of the American Die Casting Institute. The pump is a joint development of the foundation and the Carbon Products Division of Union Carbide Corporation.

The new pump could change the method by which some one billion pounds of aluminum die castings are produced every year. Constructed of a high-temperature refractory material, titanium diboride, the pump makes possible a production technique known as the hot-chamber aluminum die casting process, which has such potential advantages as better surface finish, more accurate dimensions, and thinner wall sections. These advantages will result in improved properties for hundreds of industrial and consumer products, ranging from various types of housings for power tools, gas meters, auto transmission, outboard motors, and lawn mowers, to such items as children's toys, camera bodies, and portable radios.

Research and development work on the pump was done at Union Carbide's Technical Center in Parma, Ohio, where it was possible to focus the corporation's extensive high-temperature materials technology on the project. The pump is being manufactured at the Cleveland, Ohio, works of Union Carbide's Carbon Products Division in a size that is expected to meet the requirements of an estimated 50 per cent of the market or more. A larger pump is expected to be available shortly.



CLEVELAND O. MATHENA, General Can Fabrication Shop, is seen inserting an enriched uranium foil (dark strip) into a stainless steel envelope. The foil will be shipped to Argonne National Laboratory for use in nuclear reactor experiments. The foil, only .021-inch (21 mils) thick, is one of 34 strips fabrication for the project.

Y-12 Fabricates Thin U-235 Foil For Argonne

Y-12 has fabricated 34 strips of enriched uranium (U-235) foil to be used by Argonne National Laboratory in nuclear reactor experiments.

Each foil is 39 inches long, four inches wide and only .021-inch (21 mils) thick—a thickness equal to about seven sheets of ordinary typing paper. Each foil weighs about one kilogram (2.2 pounds).

Initially, several U-235 metal billets were rolled and sheared into strips approximately eight inches long, six inches wide and one inch thick. After a heat treatment, the strips were rolled to produce sheets 50 inches long, 15 inches wide and .065-inch (65 mils) thick. This was followed by additional heating in an annealing furnace and final rolling on a Fenn mill to the desired .021-inch (21 mils) thickness, within a tolerance of plus or minus one mil.

The sheets were then cut to the required length and width placed

inside stainless steel envelopes for protection against oxidation.

Production engineers who supervised the project termed it the largest order for P-235 foil ever processed in Y-12. Previously, the plant has fabricated depleted uranium (U-238) foil to a thickness of only five mils. Enriched uranium (U-235), however, requires stricter handling procedures than depleted uranium (U-238) because of nuclear safety considerations an dbecause enriched uranium metal is worth about ten times its weight in gold.

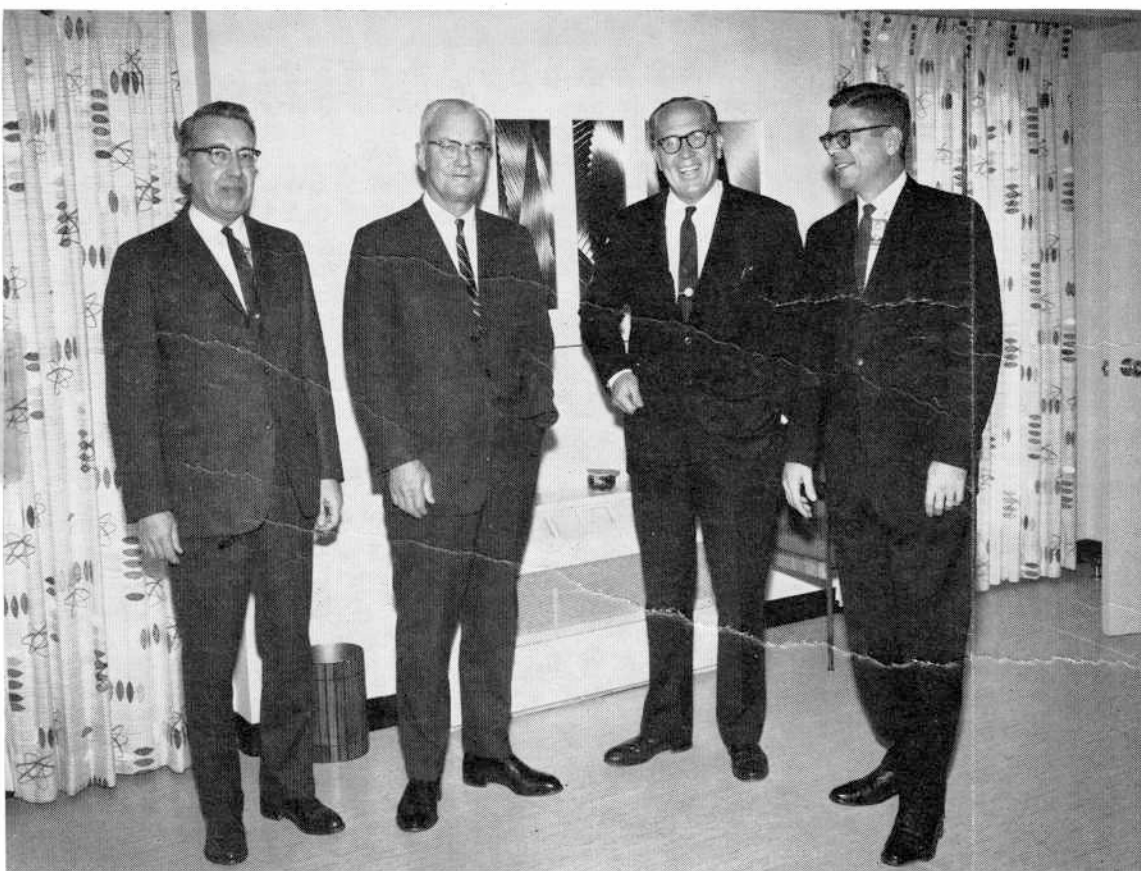
Y-12 was requested to perform the fabrication project because of the plant's unique facilities for handling enriched uranium.

Thanksgiving

"Add to my bounty
The rich blessing
Of a grateful heart."

WHERE THE ACTION IS

Thirty million people in the U.S.A. are between the ages of 10 and 17. Besides having most of the fun, these young people buy 2.5 billion gallons of gas annually; account for over 35 per cent of all sportswear sales; buy 44 per cent of all cameras; account for 35 per cent of all movie attendance; buy 55 per cent of all soft drinks; and even account for 20 per cent of all auto sales!



PRESIDENT RUSH VISITS OAK RIDGE FACILITIES . . . Kenneth Rush, president of Union Carbide Corporation and John A. Swartout, director of technology, recently visited Union Carbide facilities in Oak Ridge. From left are Swartout, Rush, C. E. Larson, president, Nuclear Division; and R. F. Hibbs, vice president, Nuclear Division.

SAFETY SCOREBOARD

The Y-12 Plant Has
Operated
247 Days Or
7,679,000 Man-Hours
(Unofficial Estimate)
Through November 24
Without A Disabling Injury
SAFETY AT HOME,
AT WORK, AT PLAY

The Bulletin

Published Weekly For The
Y-12 Employees Of
UNION CARBIDE
CORPORATION



NUCLEAR DIVISION

JAMES A. YOUNG Editor

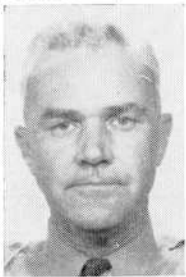
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Hall Rites Held In Harriman

Mr. Willis W. Hall, Guard Department, died last Monday, November 18, in a Harriman hospital. He was a native of Kingston, and had lived in this area most of his life, except for brief employment in Dayton, Ohio.



A veteran of the U. S. Air Force, Mr. Hall served during World War II, from 1941 until 1945.

He is survived by his wife Mrs. Virginia Northern Hall, three sons, David, James and Robert, parents Mr. and Mrs. Charlie D. Hall, brother Carl Hall, and sister, Mrs. Carol Morgan, all of Harriman.

The Hall home is at Route 5, Ladd Road.

Funeral services were held Wednesday, November 20, at 2 p.m. at Kyker Funeral Chapel, Harriman, with the Reverends Charles Works and Gerald Tapp officiating. Interment followed in Roane Memorial Gardens.

Sincere sympathy is extended the Hall family.



JOHN SCOTT Dunnebacke is the little adopted grandson of T. H. Allison, Guard Department. Scotty's parents Mary and Howard Dunnebacke live in Huntsville, and Grandpops Allison says the only thing wrong is that the little tyke lives too far away.



Mrs. Johnny McCarsey Adkins



Mr. and Mrs.
Michael Howard Rains

RAINS — CROWE

The marriage of Miss Wanda Sue Crowe and Mr. Michael Howard Rains took place Saturday, September 7, at the Poplar Springs Baptist Church, Kingston. The reverend Clinton Pickard officiated at the rites.

The bride is the daughter of Mr. and Mrs. Ernest Crowe and the groom is the son of Mr. and Mrs. George Howard Rains, all of Kingston. (The groom's father is in Y-12's Dimensional Inspection Department.)

Given in marriage by her father the bride wore a white satin gown fashioned with an empire bodice, sleeves and train of alencon lace. Alencon lace petals, seed pearls and crystal held her veil of silk illusion. Her bouquet of chrysanthemums was centered with two orchids.

Miss Brenda Crowe, sister of the bride, was maid of honor, and bridesmaids were Misses Susan Rains, sister of the groom; and Ann Wright. Miss Tracy Miles was flower girl.

Mr. Rains served his son as best man, and ushers were Jerry Rains, brother of the groom; and Ray Crowe, brother of the bride.

Following the ceremony a reception was held at the home of the bride's parents. Assisting in serving were Mrs. Maxie Crowe, Mrs. Louise Childress, Miss Linda Poland, all of Kingston; and Mrs. Margie Burnette, Rockwood.

After a wedding trip to Florida, the couple is residing in Kingston.

TIME IS CURE-ALL

Gutzon Borglum, the sculptor who created the gigantic Mount Rushmore Memorial, noted that his work was not perfect . . . that George Washington's nose was too large. "It will erode to be just exactly right in 10,000 years," Borglum smiled.

TOOT AND TELL

They even have a drive-in church with a drive-in confessional now. Kind of a toot and tell thing.



ADKINS — WARD

Friday, November 15, marked the marriage of Miss Betty Ward and Mr. Johnny McCarsey Adkins. Miss Ward is the daughter of Reverend and Mrs. W. C. Ward, Clinton; and Mr. Adkins is the son of Mr. and Mrs. K. M. Adkins, Oak Ridge. The father of the bride is in Process Maintenance, and the groom's father is in Y-12's General Expediting and Auxiliary Services.

Given in marriage by her father, the bride wore a floor length gown of bridal satin, trimmed with French lace. Her cathedral veil was held by rose flowers, and she carried a white Bible topped with roses and a large orchid.

Nuptial music featured Mrs. Kay Hamrick, vocalist, and Mrs. Joy Butler, organist.

Miss Beverly Bolen, Knoxville, served as maid-of-honor and bridesmaids were Misses Kay Surber, Oak Ridge; Mary Ann Ward, sister of the bride; and Karen M. Sifton, Nashville. Junior bridesmaid was Miss Shirley Ward, sister of the bride.

The groom's father served as his best man. Ushers were Otis Duncan, Jack Long, Oak Ridge; and Jimmy Duncan, Oliver Springs. Artie Myers served as ringbearer.

A reception honored the couple after the ceremony. Assisting in the serving were Mrs. John Myers, Misses Karen Dabney and Betty Jo Seiber.

For her wedding trip the bride wore a navy blue suit with an orchid from her bridal bouquet.

The couple is at home in Oak Ridge.

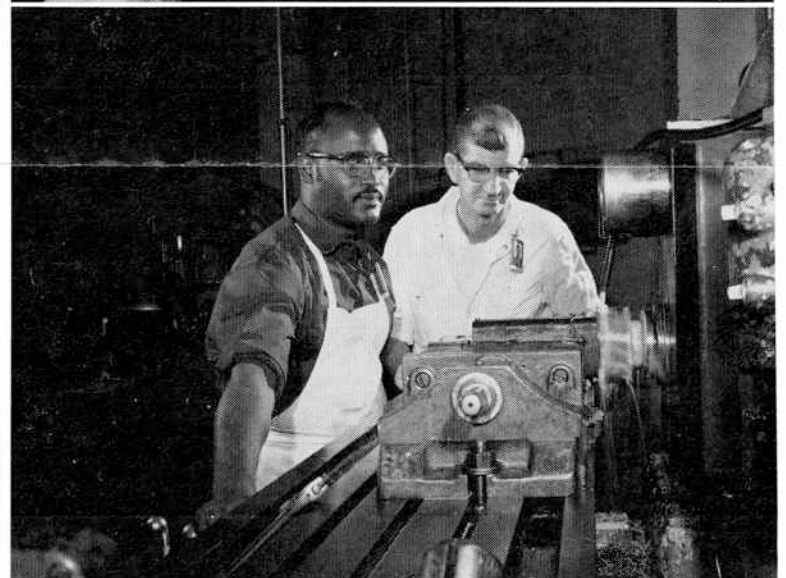
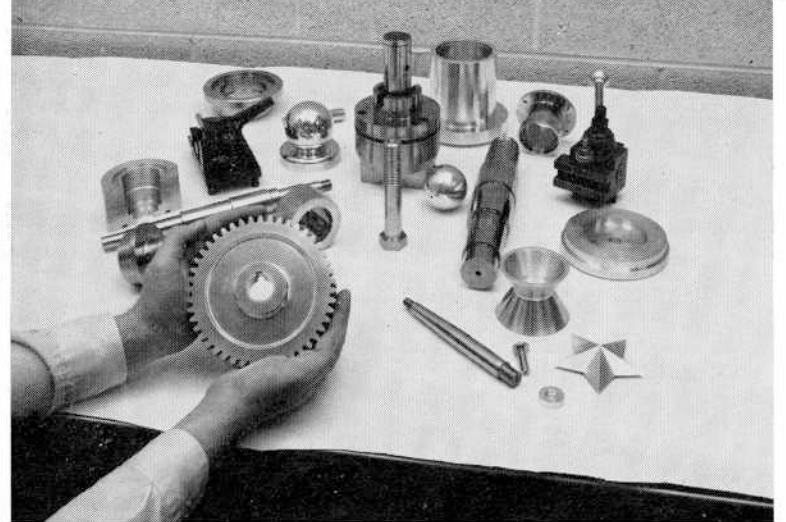
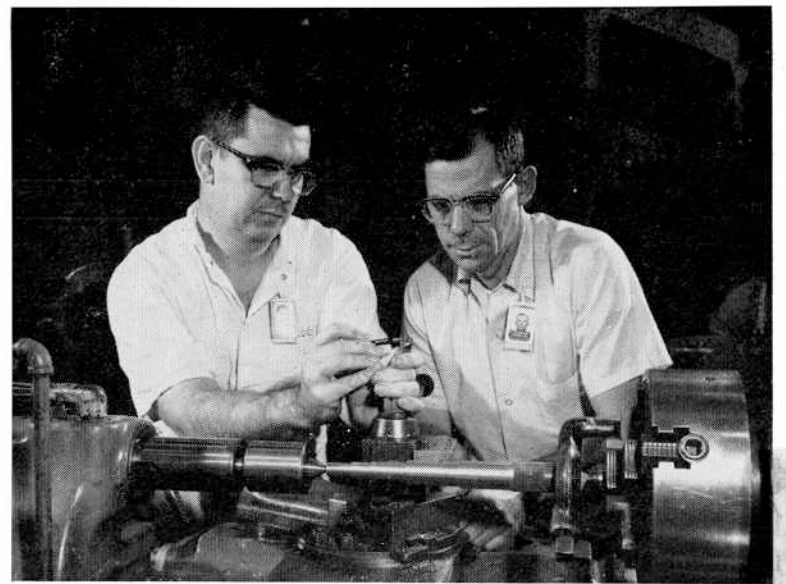
'Zorba' Is Next Foreign Film

The next film in the American Association of University Women series will be 'Zorba the Greek.' Anthony Quinn plays Zorba, an exuberant life-loving Greek peasant. (The musical version of 'Zorba' opened recently on Broadway.) Zorba befriends a shy Greek-English writer, Basil, and together they go to Crete to develop a lignite mine. Lila Kedrova plays an aging courtesan whom they meet there. She puts so much merriment and pathos into the character that she 'almost steals the show' according to the New Yorker. Irene Papas is the widow. She starred in 'Electra,' another of director Michael Cacoyannis' popular films. Cacoyannis captures the beauty of Crete in his backgrounds. Time says Zorba is 'the fire of life itself,' a 'piece of sun in the shape of a man.'

The film will be shown Sunday December 1, at 8 p.m. at the Oak Ridge High School auditorium. Tickets will be available at the door. Proceeds from the series are used to further higher education for women through the AAUW Fellowship Fund.

WEIGHT WATCHERS

Current interest in weight watching is well founded. Medical authorities believe overweight is one of our chief health problems causing heart disease which today causes three times as many deaths as all forms of cancer combined. It is also involved in high blood pressure, gall bladder disease and some forms of arthritis.



TAT PHASE TWO SHOWS PARTICIPANTS in the Machining Instructions are seen above in the highly successful Training and Technology project here in Y-12. In the top photograph W. C. Fraley, Y-12er, is instructing W. L. Richardson, Jacksboro. In the middle photo, are items fabricated by the machining class. In the bottom photo, C. E. Hawkins, left, Oak Ridge, is a student and received machining guidance from R. F. Knott, Y-12er. The TAT Project's purpose is to train persons in technological skills required by modern industry. The program is administered by Oak Ridge Associated Universities and the Nuclear Division of Union Carbide Corporation, who operates the Y-12 plant for the U. S. Atomic Energy Commission.



That lady in the funny hat is following you! Her mind's on her new hat, not on her driving. And she might try to pass you when there's not nearly enough room. Always drive defensively.

Watch out for the other guy!

Published to save lives in cooperation with The Advertising Council and the National Safety Council.

Nehru Jacket Out Edwardian One In!

The Nehru jacket is out, according to stylists. If you gave someone a Nehru jacket recently, or plan to do so at Christmas, forget it! The new Edwardian look . . . tapered vest, wide collar, and wide necktie is in.

Does the extravagance of the Nehru jacket being out of style even though it's in perfect condition bother you? Start a member of your family a savings account in your credit union.

That's never out of style!

CHANCES ARE

When a person starts a conversation with "If you asked me," the chances are fairly good that nobody asked.



FRED GUTTERY, CHEMICAL SERVICES, brought down a four-point buck at Catoosa on Saturday, November 2. The antlered creature weighed out at 146 pounds after field-dressing.

Table Tennis Is Wyatt, Stewart

Y-12er Loyd Wyatt continues to hold reins in the X Table Tennis League with a three-point win over Hugh Moore. Jerry Keyes took two games from Herb Mook and Jerry Manning.

Shift work and illness cancelled two matches.

X League standings:

| Player | W | L |
|-----------------------|---|---|
| Loyd Wyatt, Y-12 | 9 | 0 |
| Jerry Keyes, Y-12 | 7 | 2 |
| Herb Mook, ORNL | 7 | 2 |
| Hugh Moore, ORNL | 3 | 6 |
| Bill Motley, Y-12 | 3 | 3 |
| Jerry Manning, K-25 | 1 | 5 |
| Jerry Goldstein, ORNL | 0 | 6 |
| Ariko Hirose, ORNL | 0 | 6 |

Y League action saw Art Stewart clip Bob Smith two games, and Gordon Brewer take two from Joe Lewin.

Ed Gambill downed Bob Freestone (who replaces Duane Shockley in the lineup) for three games. Ken Toth took Francois Kertesz for three, and Joe Lewin downed Kertesz for two.

Y League standings:

| Player | W | L |
|------------------------|---|---|
| Art Stewart, Y-12 | 7 | 2 |
| Gordon Brewer, Y-12 | 6 | 3 |
| Ed Gambill, Y-12 | 6 | 3 |
| Bob Smith, Y-12 | 5 | 4 |
| Joe Lewin, ORNL | 4 | 5 |
| Ken Toth, ORNL | 4 | 5 |
| Bob Freestone, ORNL | 2 | 7 |
| Francois Kertesz, ORNL | 2 | 7 |

'Credit Drunks' Can Be Cured!

An estimated \$500,000,000 evaporated from the American economy last year as 192,000 "over-extended Americans" flocked to bankruptcy court at the rate of more than one a minute. Who is this "over-extended American" sometimes referred to as the "credit drunk?" Usually, he's the well-off blue collar worker making \$500 per month, and is married with two or more children.

The prevention for this happening to you is a simple one . . . credit counseling from someone you trust, like the loan counselor at your credit union. Ninety-eight per cent of those who use credit counseling avoid bankruptcy. Gain confidence in yourself and your budget. Make an appointment at the Y-12 Credit Union today for free, confidential counsel in budget problems.

The Credit Union belongs to you, its member. Use it.

Recreation



Monday, December 2

BOWLING: 5:45 p.m. Ark Lanes, C League.

BASKETBALL: Beginning 6:30 p.m. Oak Ridge High School Gym. Isotopes vs. CC 69er's; Bombers vs. Bat Boys; Soul Men vs. All Stars.

PHYSICAL FITNESS (For Women): 7:30 p.m. Oak Ridge High School Girls' Gym.

Tuesday, December 3

PISTOL LEAGUE: 6:15 p.m., Oak Ridge Sportsmen's Association.

BASKETBALL: Beginning 6:30 p.m. Oak Ridge High School Gym. Biomedes vs. Quarks; Guess Who vs. Dag Mops; Cavaliers vs. Bums.

PHYSICAL FITNESS (For Men): 7:30 p.m., Oak Ridge High School Gym.

Wednesday, December 4

22 CALIBRE RIFLE LEAGUE: 7 p.m., Anderson County Gun Club.

BASKETBALL: Beginning 6:30 p.m. Oak Ridge High School Gym. Computes vs. GBU's; Butter Balls vs. Beta Two Miners; Carbide Trojans vs. Cobols.

BOWLING: 8 p.m., Mixed League, Ark Lanes.

Thursday, December 5

BOWLING: 5:45 p.m. Classic League Ark Lanes.

VOLLEYBALL: Beginning 6:30 p.m. Court A: Semanon vs. Old Men; ORAU vs. Defects; M & C vs. Ecobums. Court B: K-25 Hawks vs. Nemeses; Naughts vs. Beavers; Gashouse Gang vs. Set-Ups. Oak Ridge High School Gym.



"I'm not really late. I just took my coffee break before I came in."

Rollmasters Hang Onto Alley Lead

The Rollmasters continued their hold on C Bowling ranks last week with a three-pointer over the Sunflowers. Also posting three were the Royal Flush five over the Parbusters.

The Instrument Engineers won a forfeit past the Jokers Five.

Sharing two each were the Big Five - Badgers, the HiLifers - Rounders, and the Fireballs-Invalids.

Jay Sewell, Big Five, blasted out a single of 239 scratch, 257 handicap. His 568 scratch series was high for the week also. J. W. Trebilcox, Parbusters, put a 649 handicap series on the scoreboards.

The Badgers were best in singles in scratch count . . . 892. The Royal Flush floored handicap bowlers with singles of 1049 and series of 2959. The Sunflowers had the best scratch series at 2496.

League standings follow:

| Team | W | L |
|----------------------|-----|-----|
| Rollmasters | 32 | 12 |
| Big Five | 30 | 14 |
| HiLifers | 27 | 17 |
| Royal Flush | 26 | 18 |
| Rounders | 24 | 20 |
| Badgers | 23 | 21 |
| Parbusters | 21 | 23 |
| Sunflowers | 19½ | 24½ |
| Fireballs | 17½ | 26½ |
| Invalids | 17 | 27 |
| Instrument Engineers | 15 | 29 |
| Jokers Five | 12 | 32 |

Volleyball Teams All Win Sweeps!

The big 12-team Volleyball League got underway Thursday, with six teams taking four games from their six opponents!

On Court A, the Y-12 Beavers downed the Gashouse Gang 15-3, 15-1, 15-3 and 15-0. The Nemeses nixed the Naughts 15-4, 15-8, 15-8, and 15-8. The Ecobums took the K-25 Hawks 15-7, 15-10, 15-8, and 15-7.

On Court B, meanwhile, the Defects damaged the M & C 15-13, 15-9, 15-0 and 15-8. The Old Men ousted the ORAU team 15-4, 15-1, 15-7, and 15-2. Beta 4 Astros lost to the Semanon (No Names, spelled backwards) 15-0, 15-3, 15-10 and 15-6.

League standings follow:

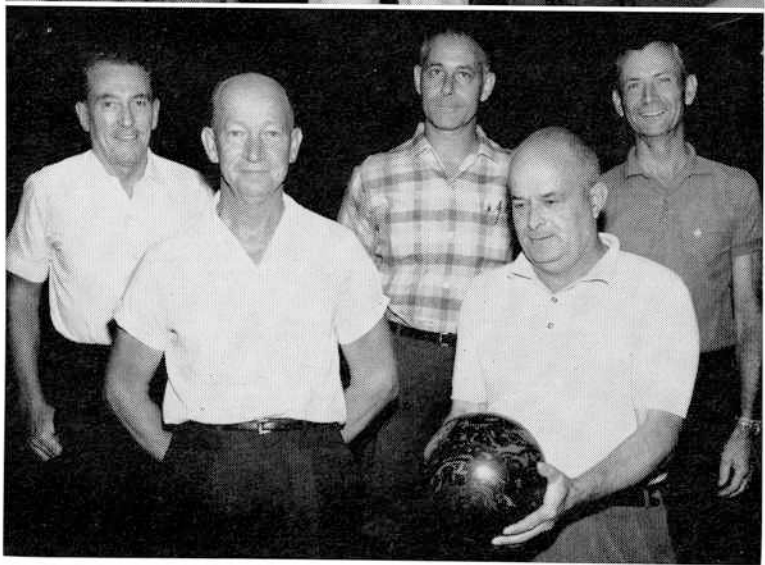
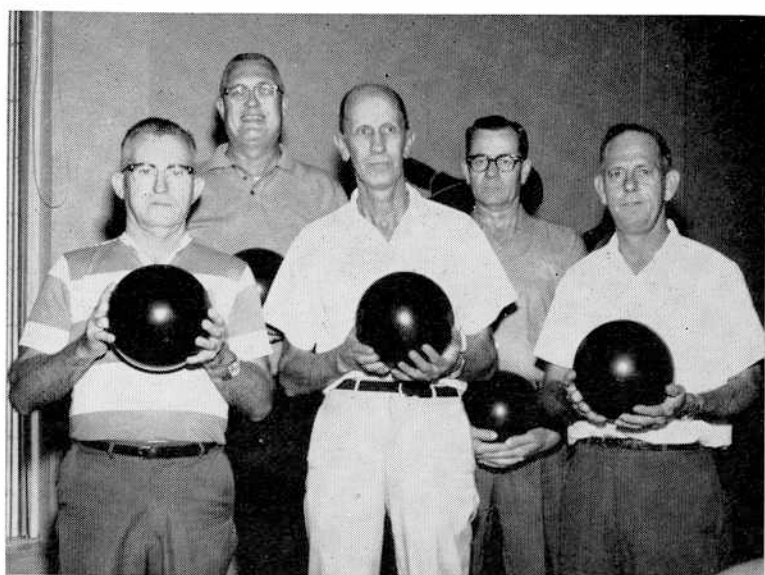
| Team | W | L |
|----------------------|---|---|
| Y-12 Beavers | 4 | 0 |
| Nemeses, K-25 | 4 | 0 |
| Ecobums, ORNL | 4 | 0 |
| Defects, ORNL | 4 | 0 |
| Old Men, ORNL | 4 | 0 |
| Semanon, ORNL | 4 | 0 |
| Gashouse Gang, K-25 | 0 | 4 |
| Naughts, ORNL | 0 | 4 |
| Hawks, K-25 | 0 | 4 |
| M & C, ORNL | 0 | 4 |
| ORAU | 0 | 4 |
| Beta 4, Astros, Y-12 | 0 | 4 |

Gold Film Protects Aircraft Windows

A 2.4 billionths of an inch thick film of gold on a sheet of clear acrylic is making air travel safer these days. It prevents ice and fog from accumulating on the windshields and windows of jet aircraft. Because of its atomic structure, gold becomes transparent when reduced to microscopic thickness. Yet, when an electric current is passed through the invisible film, the gold molecules convert the electricity into heat high enough to keep the exterior surfaces of the windows and windshield above the freezing point of water even though the outside temperature is as low as minus 65 degrees. To apply it, the gold is melted, vaporized, and condensed onto the acrylic. An ounce covers as many as 80 windows.

CHARACTER BUILDING

Basketball coach to his boys: "Now remember, boys, basketball develops leadership, initiative and individuality. Now get out there and do exactly as I told you!"



THE RAGING REBELS AND PINBUSTERS are two sterling teams in Y-12's Thursday league . . . the big Classic. The Rebels, seen at top, from left, are W. R. McGill, Norm Jarvis, Captain Jack Spears, J. H. Shoemaker, and L. E. Sikes. The Pinbusters, in the lower photo, are comprised of Howard Shultz, Loyd Wakefield, Perry Bullard, J. D. Davis, and Captain F. K. Clabough.

Swingsters, All Stars Win Four To Keep Top Spots In Classic Alley Competition

The Swingsters swung high over the Markers in Classic bowling last week, to keep a scant lead in running, sinking the Markers for the full count. Also taking four were second-placed All Stars over the Smelters. The Rippers won four from the Playboys, and the Screwballs took four from the Cubs.

Winning three were the Rebels over the Eightballs, the Eagles by the Pinbuster, the Bumpers by the Has Beens.

Sharing two were the Splinters and Tigers.

George Cantrell, Swingsters, hit the hardwood hard, taking a single of 243 scratch, 261 handicap . . . and a series of 575 scratch. Jim Franklin, All Stars, put a 669 handicap series down.

The Swingsters were best on scratch counting, singles of 931, series of 2665. The All Stars and Tigers tied for handicap singles honors with 1092, and the All Stars outdid them all in handicap series with 3068!

League standings follow:

| Team | W | L |
|------------|-----|-----|
| Swingsters | 34 | 14 |
| All Stars | 33½ | 14½ |
| Rebels | 32 | 16 |
| Has Beens | 27 | 21 |
| Eagles | 27 | 21 |
| Bumpers | 27 | 21 |
| Markers | 24 | 23 |
| Eightballs | 25 | 23 |
| Rippers | 25 | 23 |
| Smelters | 24 | 23 |
| Splinters | 21 | 27 |
| Tiger | 20½ | 27½ |
| Pinbust | 18 | 30 |
| Screwballs | 17 | 31 |
| Playboys | 15 | 33 |
| Cubs | 13 | 35 |

Hits & Misses New Mixed Alley Leads

The Mixed League got new leaders on the alleys last week as the Hits & Misses moved four points over the Goofers . . . for the only sweep of the night bowling. Three points were gleaned by the Roses 'N Thorns over the Twisters, the Mustangs over the McSprays, and the Rollers over the Alley Cats.

Joyce Gillihan, Rollers, led women bowlers, all the way. She had singles of 178 scratch, 220 handicap. Spence Ferguson, Twisters, spotted high on singles for men . . . 206 and 244. C. R. Lively, Rollers, hit series of 530, 611.

The Rollers took season highs . . . all the way in singles 694 scratch, 855 handicap! Their series of 1884, 2367 were also high for the week.

League standings follow:

| Team | W | L |
|-----------------|-----|-----|
| Hits & Misses | 29½ | 18½ |
| Alley Cats | 27½ | 20½ |
| Roses 'N Thorns | 27 | 21 |
| Mustangs | 27 | 21 |
| Goofers | 25 | 23 |
| Twisters | 20 | 28 |
| Rollers | 19 | 29 |
| McSprays | 18 | 30 |



Ride wanted from East Hunter Circle, Oak Ridge, to Bear Creek Portal, straight day. Carolyn Whitus, plant phone 3-7312, home phone Oak Ridge 482-3980.

MODERN ECONOMY

Definition of a charge account —A means of buying what you can't afford tomorrow while you are still paying for what you bought, but couldn't afford, yesterday!



GEE GEE AND HER ALASKANS will return to regale the Carbide Kids at the annual Christmas party, set for Monday, December 23, at the Oak Ridge High School auditorium. The huskies performed here at the parties in 1965 and the kids still remember the strong, northern dogs pulling Santa onstage! Six parties will be held on December 23 . . . at 8:30 and 10:30 a.m. . . . and at 12:30, 2:30, 4:30, and 6:30 p.m. Ticket application appears in this issue of The Bulletin.

Carbide Kids Parties Set Monday, December 23

Parents, circle Monday, December 23, right now. That's the big day for the annual Christmas parties will take place practically all day long at the Oak Ridge High School auditorium.

Because of the overflow of last year's parties, an additional time has been set. There will be special performances at 8:30 and 10:30 a.m. . . . then again at 12:30, 2:30, 4:30 and 6:30 p.m.

Gee Gee and her Alaskans will return to the delight of kids and parents alike. The huskie act played at the parties about three years ago.

Each time is limited, of course, by the number of people that can be seated at the high school. Tickets are issued by Recreation in the order that they are received. Each

applicant is asked to show his order of preference (one through six) . . . and his tickets will, whenever possible, be near his first choice, or his first choice if the applications are received on time.

The application should be filled out completely . . . i.e., zip number, city and all.

Tickets will be mailed to employees' homes, and issuance will begin just as soon as this application starts pouring into Recreation.

(A hint to the wise: Get your application in this week. The chances of your child getting a first choice time dwindle with each mail pick-up!)

If you're going wrong, turn right.

REVOLUTIONARY AUTO?

Great things are predicted for a new car invented by Wallace L. Minto, Sarasota, Florida. Among several things, he claims it will positively not pollute the air because the engine will use freon, the refrigerating chemical that has a very low boiling point. The freon will be heated by propane, which burns cleanly, to form a gas that will be used to drive two double-action pistons. Production is supposed to begin in 1969, but don't count on buying one too soon. The supply will be extremely limited and the price may be as high as \$25,000.

LITTLE PROGRESS

Judge: "Seems to me you've been coming up before me in this court for the past 20 years."

Prisoner: "Yes sir, judge, you've been a big disappointment to me. Seems you ought to be governor by now!"



UNION CARBIDE CORPORATION
NUCLEAR DIVISION
P. O. BOX Y, OAK RIDGE, TENNESSEE 37830

RETURN REQUESTED

(Do Not Forward—Return Postage Guaranteed)

BULK RATE
U.S. Postage
PAID
Oak Ridge, Tenn.
Permit No. 71



November fades . . . and with it the bright wintry blast of December makes an entrance. Also making the scene are Y-12ers celebrating important milestones with Union Carbide Corporation. Congratulations.

25 YEARS

Willie S. Minge, H-2 and F-Area Shops, November 29.

Clyde R. Cooper, Process Maintenance, November 30.

Nelson L. Tibbatts, Salvage Department, December 1.

Alydean W. Gable, Laboratory Operations, December 2.

Max W. Goins, Mechanical Inspection, December 2.

20 YEARS

Charles R. Melhorn, Research Services, November 30.

15 YEARS

Clarence M. Armstrong, Process Maintenance, November 27.

James F. May, Utilities Administration, November 27.

James O. Overton, Beta Four Heavy Machine Shop, November 27.

Tanya D. Thompson, Production Assay, November 27.

Donald E. Blackburn, Gage Certification Laboratory, November 30.

Clyde F. Brewer, Material Transfer & Packing, November 30.

Edward E. Hickman, Machine Maintenance, November 30.

Alonzo A. Hinton, Chemical Services, November 30.

Roy E. Melton, Buildings, Grounds and Maintenance Shops, November 30.

Sam F. Russell, Gage Certification Laboratory, November 30.

Charles A. Sparks, Dimensional Inspection, November 30.

Owen C. Willard, Special Production Scheduling and Coordination, November 30.

Charles G. Wilson, Utilities Administration, November 30.

William V. Yaden, Electrical Department, November 30.

Alton G. Newman, Research Services, December 1.

Horace Ramsey, Dimensional Inspection, December 1.

Albert T. Bradford, H-2 and F-Area Shops, December 2.

10 YEARS

Buddy S. Dill, Beta Four Heavy Machine Shop, November 29.

Charles E. Hatmaker, A-2 Shops, 9212, December 1.

Walter D. Schultz, Dimensional Inspection, December 1.

James E. Taylor, A-2 Shops, December 1.

CLOTHES OF FUTURE

Those folks who are hard to fit in clothing should take heart. It is thought that eventually man will have spray-on fabrics which not only will cover and decorate the human body . . . but will also keep it warm!

DEFINITION

A pessimist is one who feels bad when he feels good for fear that he will feel worse when he feels better.

W. L. Johnson Dies At Rockwood Home

The death of Mr. Walter L. Johnson, Buildings, Grounds and Maintenance Shops, is sadly noted. He died Thursday, November 21, at his 403 Nelson Street, Rockwood, home.

A native of Rockwood, Mr. Johnson had worked there and in Cleveland, Tennessee, and Detroit.

He worked with J. A. Jones, the Tennessee Valley Authority, and Roane-Anderson before coming here August 11, 1950.

Survivors include his wife Mrs. Ella Mae Haun Johnson, a son Walter L., Jr., Memphis; and a daughter Mrs. Norma Fulks, Center Hall, Pennsylvania. Three stepchildren also survive, along with a brother Calvin G. Johnson, Red Bank, New Jersey; three sisters, Mrs. Maude Mayes, Rossville, Georgia; Mrs. Abby Littleton, Rockwood; and Mrs. Alice Miller, Phoenix, Arizona.

Funeral services were held Sunday, November 24, at the Rockwood Methodist Church with the Reverends Dail Bittering and J. B. Crisp officiating. Interment followed in Roane Memorial Gardens.

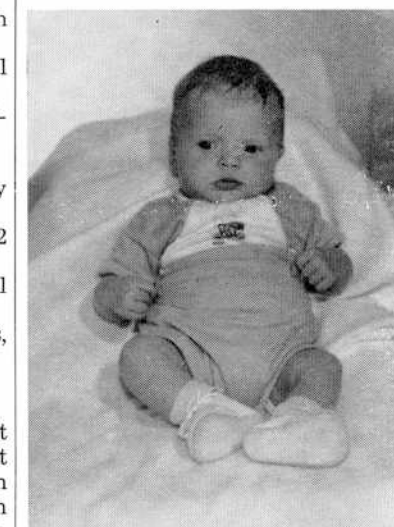
Sincere sympathy is extended to the Johnson family.

EYE INJURIES

Pointed objects, falls and hard blows cause nearly 80 per cent of eye injuries among children. Teach youngsters safe play for safe sight, says the National Society for the Prevention of Blindness.

BASKETS OF FUN

Our mama cat taught us one of the essential truths of life. We ran out of friends before we ran out of kittens!



JEFFREY DWAYNE HUDSON has a father and a grandfather both in Y-12 . . . the papa Johnny is in Buildings and Grounds; the grandfather, T. C. Hudson, is in Stores, and lives in Lenoir City.

Application for Tickets to Carbide Christmas Parties

FOR CHILDREN OF Y-12 EMPLOYEES
(Ages 2-10)

MONDAY, DECEMBER 23

Employee's Name _____ Badge No. _____

Home Address _____

(PLEASE PRINT—STREET ADDRESS, RFD, CITY, & ZIP CODE)

Number of Tickets Needed for Children _____

Number of Tickets Needed for Parents _____

— CHECK TIMES PREFERRED —

MONDAY, December 23 **ONLY** 8:30 A.M. _____ 10:30 A.M. _____

12:30 P.M. _____ 2:30 P.M. _____ 4:30 P.M. _____ 6:30 P.M. _____

Please check first, second, third, fourth, fifth, and sixth choice (write in space "1", "2", "3", "4", "5", or "6") as only a limited number of tickets can and will be issued for each party. If six choices are not listed and tickets are not available for the time or times you desire, tickets sent to you will be nearest the time requested. Return this form, properly filled in, **IMMEDIATELY, to the Y-12 Recreation Office, Room #262, Bldg. 9704-2, not later than December 18.** The required number of tickets will then be mailed to parents at their **HOME ADDRESS.**